

FIG.2

**-700** 

DEVICE IDENTIFIER	STORAGE PORT IDENTIFIER	CHANNEL ADAPTER IDENTIFIER	COMPUTER PORT IDENTIFIER
H R400 1111 0101	WWN1	1	WWNA
H R400 1111 0102	WWN2	1	WWNB
H R400 1111 0103	WWN1	1	WWNA
H R400 1111 0104	IPAddress3	2	IPAddressD

FIG.3

	EXCESSIVELY LARGE ALLOCATION CAPACITY	PROPER ALLOCATION CAPACITY	EXCESSIVELY SMALL ALLOCATION CAPACITY
COMPUTER 1		0 0	
COMPUTED 2			
COMPUTER 2			0
			<del>                                     </del>
COMPUTER 3			
:			

## FIG.4A

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00	ALLOCATION STATE	PROPER	EXCESSIVELY SMALL	EXCESSIVELY LARGE	PROPER
006	CAPACITY SECURING SECURING COLLECTION STATE RATIO RATIO	YES	YES	YES	ON
	UPPER LIMIT SECURING RATIO	120	130	130	115
	LOWER LIMIT SECURING RATIO	110	120	120	105
	CAPACITY				40GB
	DEVICE IDENTIFIER	H R400 1111 0101 20GB	H R400 1111 0102 80GB	H R400 1111 0105 40GB	H R400 2222 0104 40GB
	COMPUTER DEVICE IDENTIFIER	GENERAL COMPUTER H R400	DATABASE COMPUTER H R400	COMPUTER H R400 1	DATABASE COMPUTER H R400
	DATA APPLICA- IDENTI- TION FIER KIND	GENERAL	DATABASE	FILE SERVER	DATABASE
	DATA IDENTI- FIER	101	102	ID3	ID4

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# **FIG.4C**

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IMPORTANT DEGREE	FANT SECURING E RATIO	ADDITI SECUE WIDTH
1	0+	+2

	DEGREE RATIO WIDTH  1 +0 +2  2 +10 +5	SECURING RATIO +0 +10	SECURIN WIDTH +2 +5
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+10

4 +5

_					
ĿĿ	+5	CHANGE	+2	0+	ARCHIVE
لنا	+10	WRITE ONCE   +10	+10	+20	FILE SERVER
	+5	READ-WRITE +5	+5	+10	DATABASE
	0+	ONLY READ	+5	+5	GENERAL
	ADDITION SECURING RATIO	ACCESS CHARACTER ISTICS	ADDITION SECURING WIDTH	ADDITION SECURING RATIO	APPLICATION SECURING SECURING KIND RATIO WIDTH

**FIG.5** 

7910

THE NUMBER OF NUMBER OF READ TIMES 200 300 400 300 10000 10000 10000 10000 MINIMUM USED CAPACITY 13GB 14GB 15GB 14GB OBTAINED MAXIMUM USED CAPACITY 15GB 16GB 16GB 16GB 3weeks **3weeks** 3weeks 3weeks USED CAPACITY I 15GB 16GB 2002/11/09 23:00 | 16GB 2002/12/21 23:00 | 16GB 2002/11/30 23:00 2002/10/19 23:00 OBTAINED DATA IDENTIFIER <u></u>  $\overline{0}$ <u></u> 5

900

DEVICE IDENTIFIER	CAPACITY COST	COST	USED COMPUTER
H R400 1111 0101	20GB	нен	COMPUTER 1
H R400 1111 0102	80GB	нвн	COMPUTER 2
H R400 1111 0103	40GB	нвн	NON-EXISTENCE
H R400 1111 0104	40GB	MIDDLE	MIDDLE NON-EXISTENCE
H R400 1111 0105	40GB	нвн	COMPUTER 3
H R400 1111 0106	80GB	LOW	NON-EXISTENCE
H R400 1111 0107	40GB	LOW	NON-EXISTENCE
H R400 2222 0102	80GB	MIDDLE	MIDDLE NON-EXISTENCE
H R400 2222 0104 40GB	40GB	MIDDLE	MIDDLE COMPUTER 1

FIG.6

### FIG.7A

,810 NETWORK IDENTIFIER PORT IDENTIFIER WWN1 1 WWN2 2 IPAddress3 3 IPAddress4 1 WWN8 1 WWN9 WWNA 1 1 **WWNB** 2 **IPAddressC** 2 **IPAddressD IPAddressE** 3

## FIG.7B

820

NETWORK IDENTIFIER	NETWORK NAME
1	FC1
2	IP1
3	MANAGEMENT IP

FIG.8A

		830
STORAGE DEVICE IDENTIFIER	CHANNEL ADAPTER IDENTIFIER	STORAGE PORT IDENTIFIER
H R400 1111	1	WWN1
H R400 1111	1	WWN2
H R400 1111	2	IPAddress3
H R400 1111	2	IPAddress4
H R400 2222	1	WWN8
H R400 2222	1	WWN9

FIG.8B

	<sub>/</sub> 840
COMPUTER IDENTIFIER	COMPUTER PORT IDENTIFIER
COMPUTER 1	WWNA
COMPUTER 2	WWNB
COMPUTER3	IPAddressC
COMPUTER 4	IPAddressD
MANAGEMENT COMPUTER	IPAddressE



